

S/N 10/627,584



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Steven Andrew Poling et al.	Examiner:	Jonas N Strickland
Serial No.:	10/627,584	Group Art Unit:	1745
Filed:	July 25, 2003	Docket:	900.186US1
Title:	COMPOUNDS FOR NOVEL PROTON CONDUCTING MEMBRANES (AS AMENDED)		

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**INFORMATION DISCLOSURE STATEMENT**

MS RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

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The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Respectfully submitted,

STEVEN ANDREW POLING ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
515-233-3865

Date JUNE 27, 2005

By Barbara J. Clark  
Barbara J. Clark  
Reg. No. 38,107

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS RCF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 27th day of June, 2005.

PATRICIA A. HULTMAN  
Name

[Signature]  
Signature

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/627,584
Filing Date	July 25, 2003
First Named Inventor	Poling, Steven
Group Art Unit	1745
Examiner Name	Strickland, Jonas

Sheet 1 of 1

Attorney Docket No: 900.186US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
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**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ALBERTI, G , "Solid state protonic conductors, present main applications and future prospects", <u>Solid State Ionics, Diffusion &amp; Reactions</u> , 145(1-4), (December 2001),3-16	
		COLOMBAN, PHILIPPE , "Table of Contents", In: <u>Proton conductors : solids, membranes, and gels-materials and devices</u> , Cambridge ; New York : Cambridge University Press,(1992),	
		DZIMITROWICZ, D J., et al., "AC proton conduction in hydrous oxides", <u>Materials Research Bulletin</u> , 17(8), (August 1982),971-9	
		HAILE, S M., et al., "Solid acids as fuel cell electrolytes", <u>Nature</u> , 410(6831), (April 19, 2001),910-3	
		HARA, S , et al., "Proton-conducting properties of hydrated tin dioxide as an electrolyte for fuel cells at intermediate temperature", <u>Solid State Ionics, Diffusion &amp; Reactions</u> , 154-155, (December 2002),679-85	
		KREUER, KLAUS-DIETER , "Proton Conductivity: materials and applications", <u>Chemistry of Materials</u> , 8(3), (March1996),610-641	
		NORBY, T , "Solid-state protonic conductors: principles, properties, progress and prospects", <u>Solid State Ionics, Diffusion &amp; Reactions</u> , 125(1-4), (October 1999),1-11	
		NORBY, T , "The promise of protonics", <u>Nature</u> , 410(6831), (April 19, 2001),877-8	
		STEELE, B C., et al., "Materials for fuel-cell technologies", <u>Nature</u> , 414(6861), (November 15, 2001),345-52	
		TRICOLI, V , "Cs/sup +/-doped poly-perfluorosulfonate membranes for application in direct methanol fuel cells", <u>Proceedings of the Second International Symposium on Proton Conducting Membrane Fuel Cells II</u> , (1999),358-64	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached